

Operation Iraqi Freedom

Combat ASA(ALT)-SWA Task Force
(CAT Force)



**Support to the Warfighter
While Transforming the Army**

28 SCUD Alarms/Masking Drills, 13 Actual Missile Attacks, 100% Patric



Combat ASA(ALT)-SWA Task Force Mission



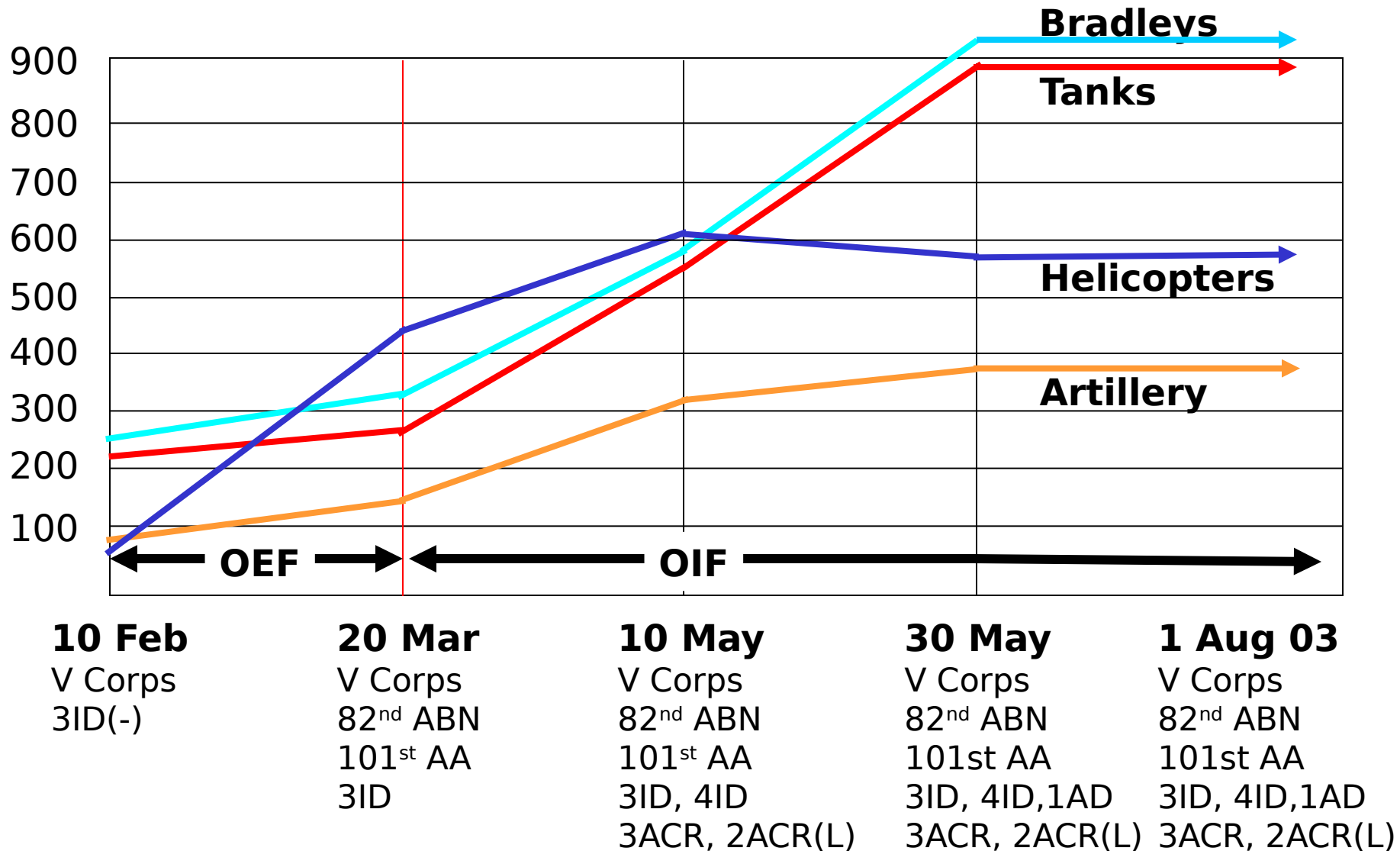
Provide the Coalition Force Land Component Commander with Combat Power by:

- Operating the Command & Control Satellite Network
- **Extending C2 with FBCB2 Blue Force Tracking of Combatant Forces**
- Providing a **common operational picture** of the battle space throughout the theater
- Providing **Battle Damage Assessment** to the Combatant Commanders in the fight
- **Infusion of technology** on the weapon systems to build **overwhelming combat power**
- Establishing **two** forward deployed **Task Forces** with embedded combat acquisition soldiers in the tactical units
- Embedding weapon systems **engineering** expertise into the AMC-LSE
- **Embedding and accounting for PEO/PM** contractors on the battlefield
- Capturing **lessons** from deployed systems
- Establishing a **reach back capability** directly from AMC-SWA to the PEOs
- **Supporting AMC commodity assessments**



Combat Weapon Systems Density in SWA

(Does not include UIC's not issued)

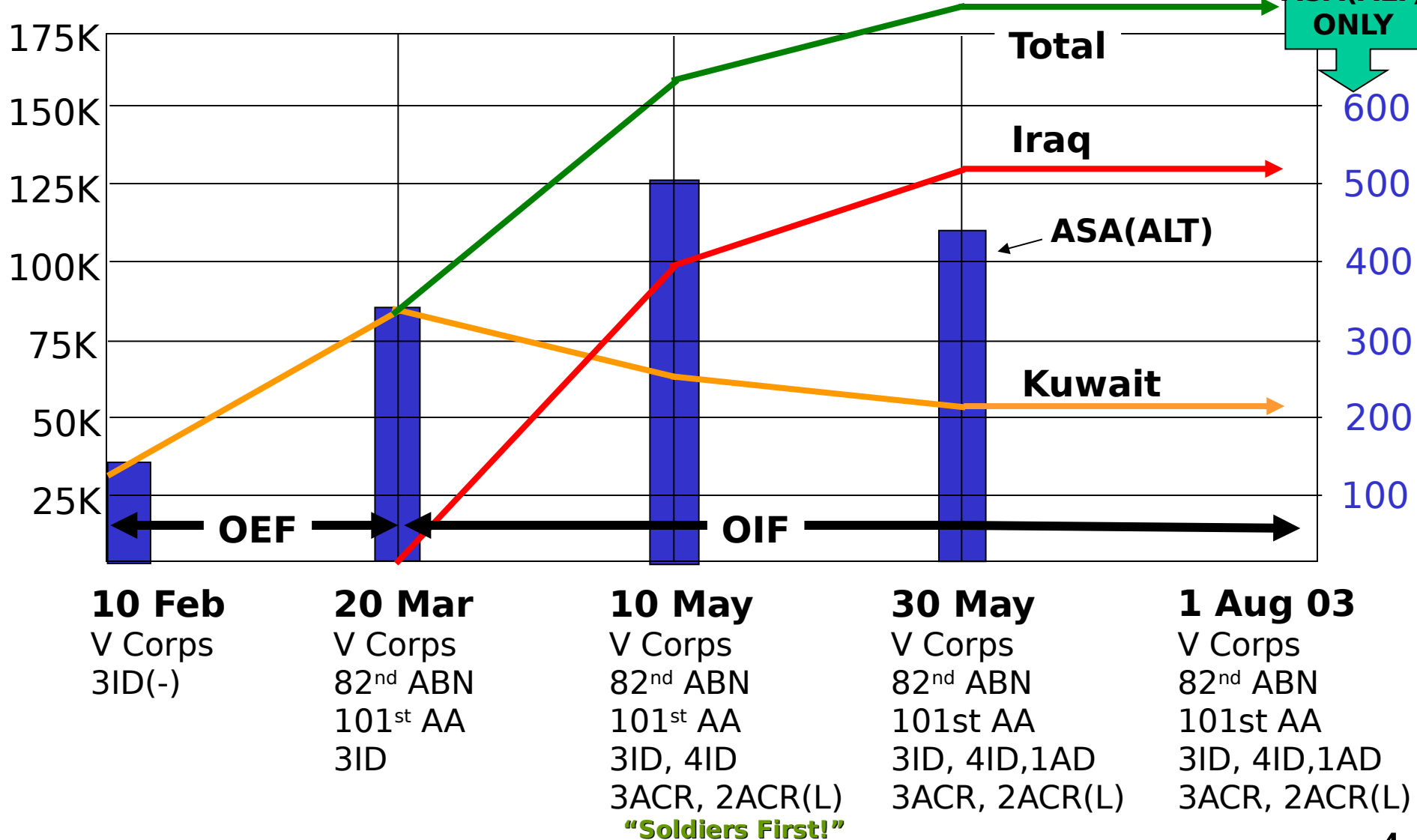


"Soldiers First!"



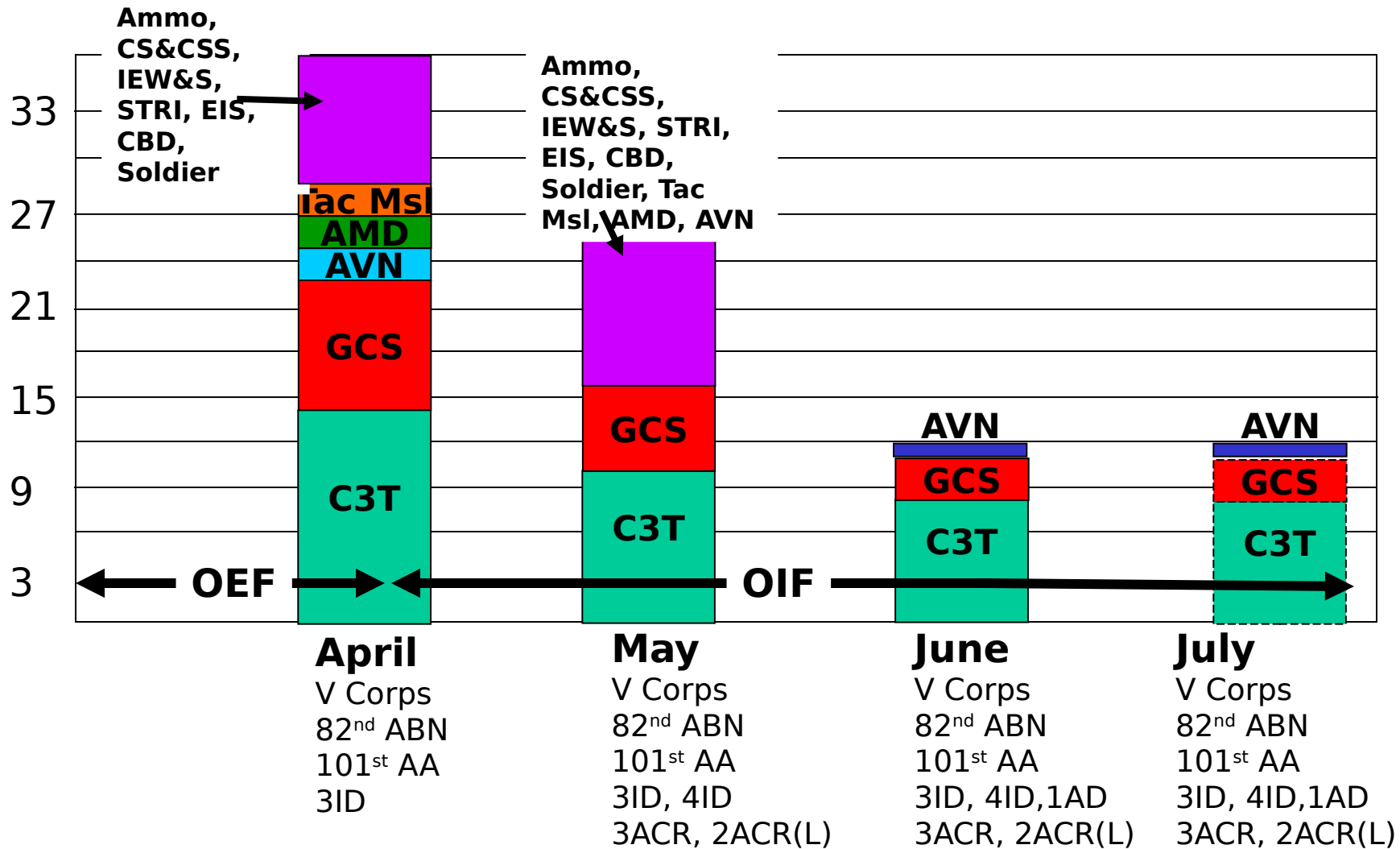
US Army SWA Personnel Density

(Iraq/ Kuwait AOR only)





Combat ASA(ALT)-SWA Task Force Military LNOs



"Soldiers First!"



Combat ASA(ALT)-SWA Task Force Operations Center



CDR, CAT Force
COL McCoy

CDR, IMTF
PEO(C3T)
COL Justice

Admin/Log
Ms. Nancy Biondo
Kevin Rawlins

Deputy: LTC Lovett
Deputy: LTC McGuiness

OPS Officers:
LTC Steinbugl
LTC Myrick
LTC Lewis

BDA
Teams

CBD LNO
MAJ Archambeault
MAJ Abramson

GCS LNO
MAJ Conway
MAJ King

AMMO LNO
MAJ Hitt
MAJ Robbins

AVN LNO
MAJ Homan
MAJ Brown
MAJ Galindo

CS/CSS LNO
MAJ Lonardo

IEWS LNO
MAJ Rusin
MAJ Thomas

STRI LNO
MAJ Hale
LTC Lewis

EIS LNO
LTC Ramos
MAJ Evans

C3T LNO
MAJ Bird
MAJ Hood

TAC MSL LNO
MAJ Hedeem
MAJ Doss

AMD LNO
MAJ Lamb
LTC Coalwell

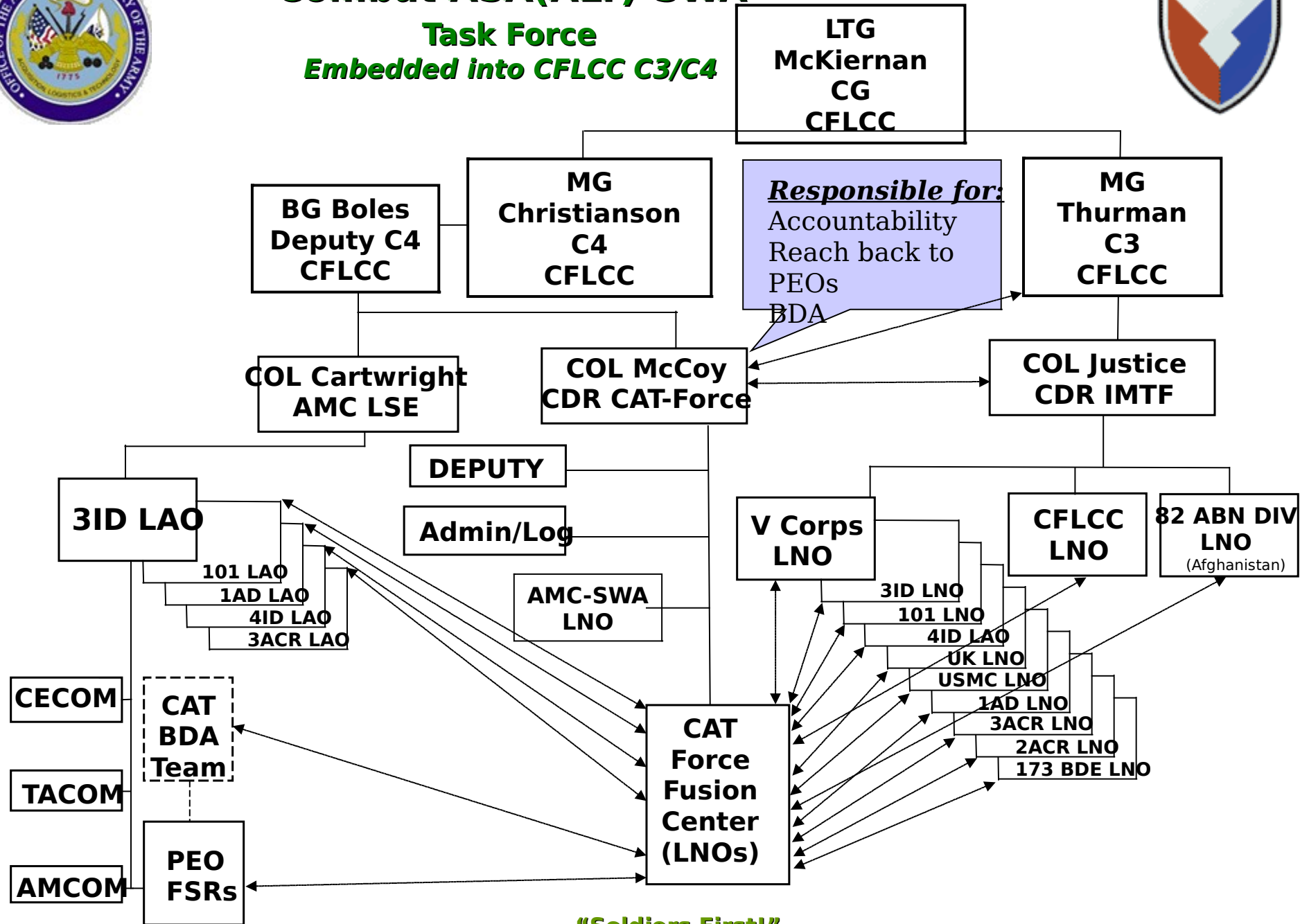
Soldier LNO
MAJ Zarbo
LTC Smith

"Soldiers First!"



Combat ASA(ALT)-SWA

Task Force
Embedded into CFLCC C3/C4



"Soldiers First!"



Combat ASA(ALT)-SWA Task Force Embedded Team



CAT Force OPS **Center**

COL Curtis McCoy
LTC Paul Myrick
LTC Louis Steinbugl
LTC Stan Lewis
LNO's from all 12 PEOs

Location: CFLCC-Main Camp
Doha

CFLCC-IMTF

COL Nick Justice
LTC Gale Harrington
LTC Johnny Bullington
MAJ Michelle Nasser
Location: CFLCC-Main Camp
Doha

3ID BDA (PEO **GCS)**

MAJ Jeff Voigt
MAJ Harold Power
MSG Bill Smith
SFC James Cunningham
Location: Lead Brigade

V CORPS

LTC Chuck Watts (PEO IEWS)
LTC Greg Fields (PEO C3T)
Location: V CORPS Main

1 MEF

MAJ Eric Piatt (PEO C3T)
Location: 1 MEF Main

3ID

LTC Bob Lovett (PEO GCS)
Location: 3ID Rear
MAJ Jonas Vogelhut (PEO
C3T)

Location: 3ID Main

101st AASLT

MAJ John Conway (PEO
GCS)
MSG Carlos Neives (PEO
C3T)

Location: 101st Main

AMC SWA

MAJ Phil Pace (PEO C3T)
MAJ Nick Vozzo (PEO C3T)
MAJ Dan Cunningham (PEO
C3T)

Location: CFLCC-Arrihan

4ID

LTC John McGuiness (PEO
GCS)
Location: 4ID Rear

UK

CPT James Conatser (PEO
C3T)
Location: Div Sup Group

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Achievements and Challenges

CAT FORCE Operations Center

- **Location of CAT FORCE vs. AMC Leadership**
 - ✓ ASA(ALT) with C3 at Camp Doha; AMC with C4 at Camp Arifjan
 - ✓ CFLCC C-3 cut FRAGO making two Task Forces for our missions
- **CAT FORCE lacks TDA to Support Wartime requirements**
 - ✓ No dedicated personnel, equipment, vehicles
- **CFLCC Understands the ASA(ALT) Mission**
 - ✓ Relationship with AMC created ad hoc – relationships improved greatly with time
 - ✓ CFLCC Operations Support & CFLCC Logistics Support
- **Preparation of Embedded FSRs for Deployment**
 - ✓ FSRs achieved deployment standards
 - ✓ No FSRs lost in combat
- **Analog vs. Digital Support/Configuration Management**
 - “Soldiers First!”



ASA(ALT)'s Agility in Accelerating Combat Power to the Warfighter



- **Accelerated fielding (examples):**
 - ✓ **PAC3** Fielding to SWA
 - ✓ **Bradley M2A2 ODS** Fielding to 3ACR
 - ✓ **FBCB2 Blue Force Tracking** to combat units: U.S. Army, USMC, & UK (Installations in six countries & 20 states)
 - ✓ **MLRS M270A1** Fielding to 2-4 FA
 - ✓ Resurrection of **C2V & BCV** Weapon Systems for Rapid Prototyping and Fielding of BCOTM
- **Supplemented AMC strength in maintenance, supply, & transportation with the ASA(ALT)'s agility in engineering, manufacturing, & fielding**
 - ✓ PMs funding is Procurement and R&D
 - ✓ **PMs maintain habitual relationship with G3** allowing AMC/ASA(ALT) to leverage two staff sections
 - ✓ **Embedded AAC, FSRs, & CLS Key in Building Combat Power!**



RECOMMENDATIONS for Future JTFs



- AMC and ASA(ALT) must partnership in future contingencies to ensure mission success and support to the **SOLDIER!**
- Need to refine and formalize organizational relationship in support of future Joint Task Force Missions
- ASA(ALT) Contingency Operations Team must have a TDA, equipment, early identification of personnel, & authority

A(ALT) under AMC LSE is Key to succe

"Soldiers First!"



SUMMARY



- History of successes
- ASA(ALT) operations center highly successful
- Technology insertion & NET during RSOI in combat unit is PM business
- CLS and FSRs on the battlefield requires PM forward presence
- ASA(ALT) presence clarifies our role to the warfighter
- Combat power: SIGMA equals (CAT force Ops) + (network Ops center) + (embedded AAC soldiers) + (BDA teams) + (technology insertion) + (PEO reach back) + (AMC-SWA LSE)
- PEO System Engineering focus is a **winner**!!!

The relationship AMC and ASA(ALT) forged during OEF/OIF extended the boundaries of AMC and ultimately empowered both organizations to provide increased capability and the highest levels of unit readiness



Weapon System Highlights

Command and Control Systems



➤ **Blue Force Tracking System**

- ✓ Used successfully by all major deploying ground units.
- ✓ Key Leader Position data
- ✓ Beyond Line of Sight communications to and between deployed elements.

➤ **GCCS-A / MCS-L / BFT Was An Outstanding Combination**

- ✓ Blue Force Tracking data was shared with US Global Command Control Systems in Theater as well as Major US Command installations worldwide.
- ✓ Situational Awareness and C2 data was visible by all major service elements as part of Common Operating Picture from Battalion to the Joint Command Level within the Theater of Operations

➤ **Satellite-based Communications Provided The Stability To Maintain Multi-level C2**

- ✓ Backbone of BFT providing continuous position data to all echelons.
- ✓ TACSAT was stable and voice communications medium of choice, but lacked Bandwidth.

CENTCOM statement: *"ground tracks have excelled in all areas* 1 2



Weapon System Highlights

Maneuver Systems (Ground Combat Systems)

(No Catastrophic losses to Iraqi direct or indirect fire weapons in combat)

➤ Abrams Main Battle Tank

✓ Protection

- Front slope armor turret and hull continues to provide maximum protection.
- Left and right side non ballistic skirts repeatedly penetrated by RPG fire but no KIAs.

✓ Firepower/target acquisition systems

- Need 2nd Gen FLIR to match capabilities of gun system and ensure readiness.
- MOUT conditions made crew served machine guns the choice in most engagements
- MPAT was the preferred main gun round of choice, followed by HEAT.

✓ Automotive

- Extreme conditions require APS fleet be equipped with PJAS.
- High OPTEMPO resulted in significant wear on suspension assemblies.
- Outstanding Mobility key enabler contributing to speed and length of attack.

✓ Sustainment:

- Fleet maintain operational ready rate above 90% during combat.

➤ Bradley Fighting Vehicle Systems

✓ Protection

- Turret and Hull Armor performed better than expected against the RPG threat.
- Enemy repeated attacked from the flank.
- Reactive Tiles still in Theater if needed.

✓ Firepower/target acquisition systems

- Soldiers continue to praise turret responsiveness and handling
- 25MM DU provides excellent punch and penetration capability
- Need 2nd Gen FLIR to match capabilities of gun system and ensure readiness.
- MOUT conditions made 25mm the weapon of choice.

✓ Automotive

- High OPTEMPO resulted in significant wear to suspension assemblies.
- Outstanding Mobility key enabler contributing to speed and length of attack.

✓ Sustainment:

- Fleet maintain operational ready rate above

CB2 Blue Force Tracking Is considered a weapon on Abrams & Bradley

"Soldiers First!"



Weapon System Highlights

Maneuver Systems (Aviation)

➤ **Aircrew Survivability:**

- ✓ Outstanding – many aircraft incidents but very few fatalities (no Apache fatalities).
- ✓ Soldier confidence in Army aircraft after OIF is extremely high.
 - *Quote from Apache pilot: “the aircraft is as durable as concrete!”*

➤ **Firepower and Target Acquisition:**

- ✓ TADS/PNVS Needs 2nd Generation FLIR to better match munitions performance and reliability.
- ✓ Hellfire missiles will take out enemy prepared positions.
- ✓ *Longbow Apache met or exceeded all of its Key Performance Parameters.*

➤ **Sustainment:**

- ✓ Contractors on the battlefield are key to aircraft readiness and sustainment of future operations with an aging fleet.
- ✓ Chinook and Blackhawk are the work horse of the theater.
- ✓ PM Apache fielded the new Apache Transport Kit which permitted assembly and ready to fly conditions in hours upon delivery. Used to deliver 6 combat replacements to OIF.



Weapon System Highlights

Ammunition



➤ **Fielded New Munitions & Technology**

- ✓ Interim Vehicle Mounted Mine Detection System (IVMMD)
- ✓ 6 Non-lethal Capabilities Sets (NLCS) for 1200 soldiers
- ✓ Handheld mine detection equipment
- ✓ M908 120mm Obstacle Reduction Tank Round (1200 each from Korea)
- ✓ M930 Mortar Round for MOUT applications

➤ **Ammunition Retrograde Mission**

- ✓ Coordinated with DAC, JMC and AMCOM
- ✓ Executing Class V inspection, repackaging and storage at the ASP or on pre-positioned ships



Weapon System Highlights

Air Defense Systems

➤ **PATRIOT**

- ✓ Preliminary results indicate excellent tactical ballistic missile defense performance with a PK of 100% during combat.
- ✓ PM managed Patriot CLS for sustainment spares achieved an above average operational rate.
- ✓ Embedded CLS/FSRs provided effective and responsive.
- ✓ Use of commercial shipping improved delivery by 60% and vastly improved tracking of parts in flow.

➤ **SENTINEL Radar**

- ✓ Very successful Life Cycle Contractor Support – readiness rates of 96% for Active Army and 95% ARNG.

**158 Avengers, 56 Linebackers, 21 Sentinels, JTAGS,
and 36 PATRIOT fire units in the fight**

“Soldiers First!”



Weapon System Highlights

Training Systems

- **Integration with Theater Assets:** Outstanding integration with ARCENT S-3 and PEO STRI w/ quick fielding of two critical training systems (Engagement Skills Trainer 2000, and the Mobile MOUT facility) at the Udari range complex.
- **RSOI integration:** ARCENT contract with Military Professional Resources, Inc. (MPRI) fully integrated. MPRI personnel were trained on the systems and took over operations and Observer/Controller (O/C) duties and training was incorporated into C-3 RSOI training.
- **Maintainability:** Sustainment and maintenance contract personnel were fielded with both systems. Mobile MOUT has maintained 100% FMC even though temperature have been over 130 degrees.
- **Responsive Fielding:**
 - ✓ Mobile MOUT system was fielded within 38 days of receipt of funding; and 90 days from mission notification.
 - ✓ EST 2000 fielding schedule realigned to support OIF.
- **Other CENTCOM Support:** Both were also fielded in Afghanistan.



Weapon System Highlights

Enterprise Information Systems



✓ **LCOP (Logistics Common Operating Picture)**

- System provided logisticians and commanders with the desired visibility of logistical operations (above & beyond CSSCS).
- Continue to maintain a 3 person LCOP/ILAP team in-country in support of CFLCC.
- Lack of necessary security features posed a risk to information security.
- Funding needed to upgrade system capabilities, security and fielding to the Army.

✓ **TPS (Tactical Personnel System)**

- System utilized to maintain personnel accountability for the theater.
- System did not feed data into the Army's personnel accountability system (Super Server nor inbound system eMILPO).
- Funding needed to facilitate TPS synchronizing data between tactical personnel database and Army's personnel database.



Weapon System Highlights

Chemical and Biological Defense



- **All NBC detection systems**
 - ✓ Maintained high OR rate
 - ✓ No significant, or systemic maintenance issues
- **Joint Service Lightweight Integrated Suit Technology (JSLIST)**
 - ✓ Marked improvements from it's predecessor (comfort, protection, durability, and donning)
 - ✓ Worked well in extreme heat
- **Contract Logistic Support (CLS) Works**
 - ✓ FOX Reconnaissance Vehicles
 - ✓ Portal Shield
 - ✓ Biological Integrated Detection System



Weapon System Highlights

Tactical Missiles Systems



➤ **M270A1 MLRS**

- ✓ ATACMS missiles fired was 15 times the number fired in Desert Storm and the first firing of Precision Munitions by the Army.
- ✓ M270A1 proved CLS can work in wartime. Soldiers praised the CFT and the A1 Specific line items. MLRS M270A1 is supported by three sustainment systems (CLS, AMCOM, and TACOM).
- ✓ FSRs forward on the battlefield with the firing units was key to over 90% operational readiness rates and fighting over 350+ miles without a launcher breaking down!

➤ **Javelin**

- ✓ 3ID issued floats for additional combat power.
- ✓ It was the demounted soldiers' weapon of choice against mechanized vehicles.
- ✓ Theater maintained 96% operational ready rate during combat.

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Weapon System Highlights

Intelligence, Electronics Warfare & Sensors Systems

- **Long Range Advanced Scout Surveillance System (LRAS3)**
 - ✓ Fielded out of DAMPL sequence to 3ID in theater
 - ✓ Used successfully by soldiers
 - ✓ Very effective in severe weather such as sand storms
 - ✓ Saved lives on more than one occasion.
 - (I.e.: enabled ability to distinguish children playing vs. enemy targets.)
- **Combat Identification big winner! (still needed for total Army fielding)**
 - ✓ **Proven Anti-Fratricide success!**
 - ✓ CIPs 14,812 ; TIPS 24,012 ; 26,039 Phoenix lights
- **Fielded 19 Prophets- New Intel platform**
 - ✓ Deployed forward with MI analysts w/ additional NSA assets.



Weapon System Highlights

Soldier Systems



- **Interceptor Body Armor (IBA) and Advanced Combat Helmet (ACH)**
 - ✓ Provided substantial small arms and fragmentary protection
 - ✓ Many soldiers survived direct hits from 7.62mm ammunition
 - ✓ Vehicle crewmen require similar vest to replace Spall Vests
 - ✓ Fielding of ACH should be accelerated for all deployed units
- **XM107 Sniper Rifle**
 - ✓ XM107 performed exceptionally well
 - ✓ Snipers effectively engaged targets out to 1400 meters with devastating effect
- **Rapid Fielding Initiative**
 - ✓ Provided clothing, sensors and equipment to deploying units
 - ✓ Very successful in reducing the amount of unit and individual soldier funds typically spent on these items
 - ✓ 5 Brigades recipients to date, 4 more planned



Weapon System Highlights

Combat Support & Combat Service Support

➤ **Examples of Successful Systems:**

- ✓ HET Tractors and M1000 trailers were critical assets in moving heavy forces around extensive theater
- ✓ Survivability of Up Armored HMMWV lauded by combat troops
- ✓ HMMWV mobility lauded
- ✓ FMTV inherit reliability and embedding S&S FSRs prior to deployment maintained readiness in theater
- ✓ D9 Dozer cleared highways and constructed roads quickly
- ✓ Army Tug used extensively in shallow Umm Qasr



Arches Into Baghdad from South



"Soldiers First!"

CAT OPS Center
Blue Force Tracking

What We Did

CAT Force
OPS Center

***Direct Link to Warfighters, LNOs,
FSRs, CLS, DOD Civilians, AMC-SWA, and &
PEOS***

Responsible for:

- Accountability and Force Protection
- Reach back to HQDA & PEO's
- Battle Damage Assessment
- Fleet Readiness



FBCB2 Blue Force Tracking
Operations Center
CAT Force LNOs



"Soldiers First!"

LNOs Forward in Baghdad

What We Did
**Developed Lessons From
Warfighters**

**and let them know we are in the fight with
them**

**How do you like the
equipment? What
would you change?
What do you still
need?"**

ACC on the
Ground

"Soldiers First!"

MLRS Crew -
Complete Chain of CMD

EST 2000 and Mobile MOUT

Chemical Biological Protective Shelter
Hospital (CBPS)
Newly fielded for OIF.

What We Did Field Equipment

***“Equipment such as the
Combat Identification Panels
and Blue Force Tracking saved
many Coalition lives from blue
on blue incidents.”***

Long Range Advanced Scout
Surveillance System to 3ID

“Soldiers First!”

Combat Identification Panels
for anti-fratricide

UDLP FSR
Embedded at BN

Engineering Support for
Patriots
100% Kill - Saved Many Lives

What We Did Support Readiness



***“From Contractor Logistics
Support to chasing parts
alongside AMC...”***



M270A1 unique parts CLS
maintained at near 100% OR rate



Camp Doha
Maintenance

“Soldiers First!”

What We Did

Advise the Commander and PEOs

- ***Manned One Battle Staff for the fight***
- ***Battle Damage Assessments on the Battlefield***
- ***Trained and repaired new technology not in the sustainment system***
- ***Provide injection point to the Army***
- ***Acquisition Corps Combat Power in sand***

Battle Damage
Assessment

"Soldiers First!"

What hit this M1?
Ask BDA

What We Did

*Accounted for our Field Support Representatives,
Military, and Department of Defense Civilians*

- ***Maintain accountability***
- ***Insure proper link-up***
- ***Insure proper preparation
for war***

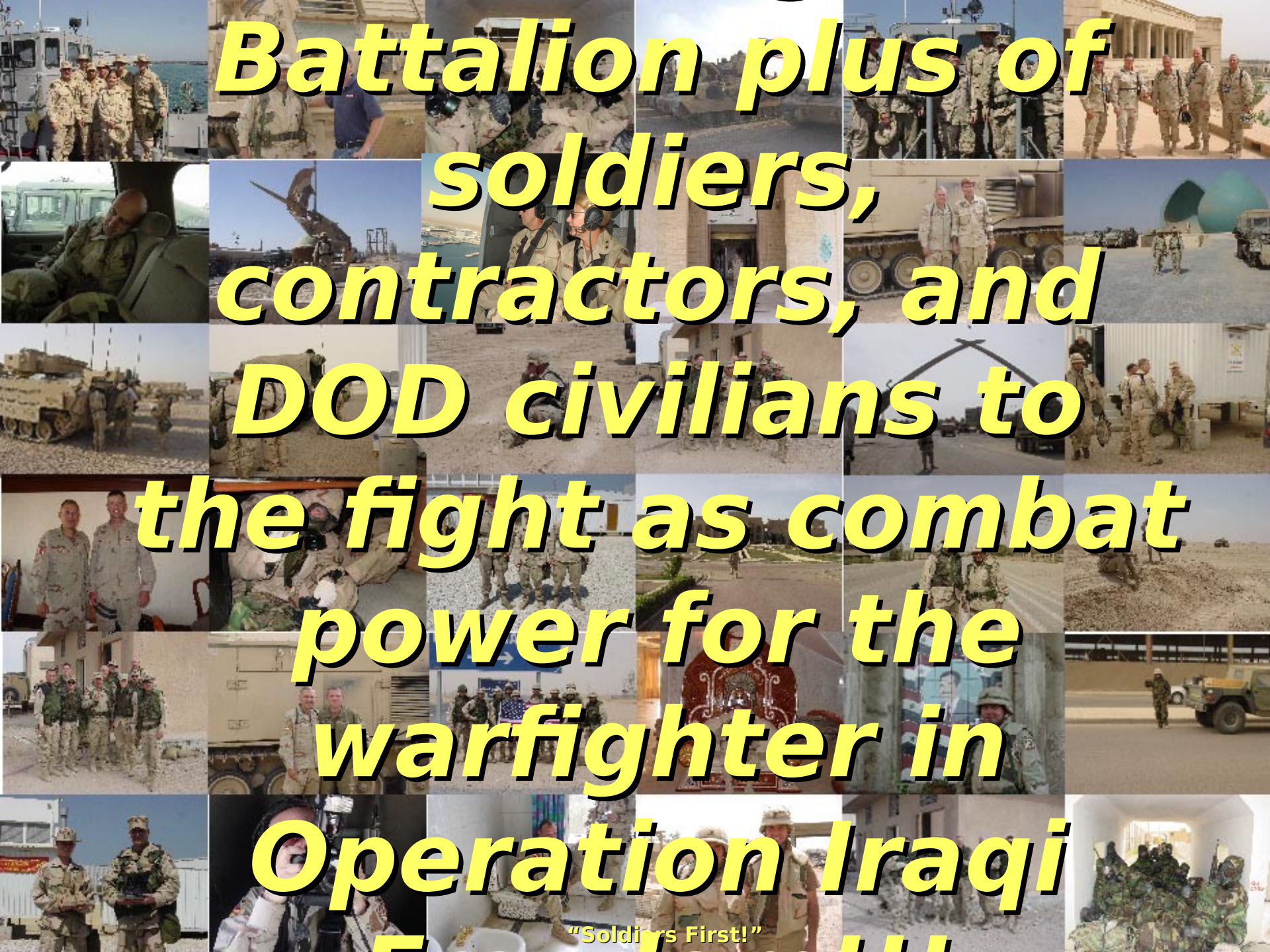


FSR CIP
Installations



"Soldiers First!"

Red River Army Depot
Bradley Reactive Armor
Team



***Battalion plus of
soldiers,
contractors, and
DOD civilians to
the fight as combat
power for the
warfighter in
Operation Iraqi
Freedom***

"Soldiers First!"



**Remember and honor those who made
the supreme sacrifice for all of us to
be here**



"Soldiers First!"